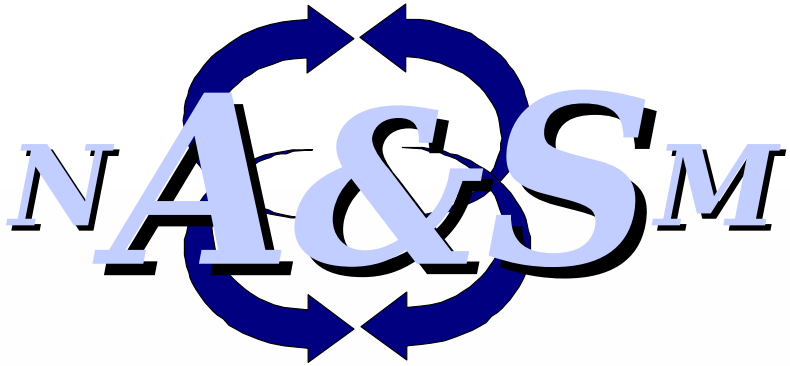
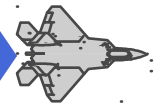
JSIMS
Air and Space (A&S)
Development Agent



Exercise Life Cycle
System Level Use Case
Activities

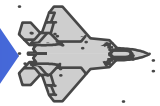
5 November 1998

Exercise Life Cycle (ELC) System Level Use Case Status



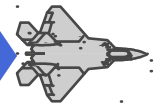
- **Exercise Life Cycle (ELC) System Level Use Case (SLUC) completed**
  - **Reflects concerns of all DAs**
  - **Posted to JSIMS web**
- **Initial pass done to evaluate IOC software development Use Cases for completeness**
- **Used to identify “gaps” in IOC Use Cases**
- **Linkage to other JSIMS efforts being examined**
- **Used as part of NASM Training Matrix (John Anderson, NASM)**

Exercise Life Cycle SLUC Guidelines



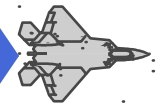
- **Managed by JSIMS Enterprise**
- **Enterprise assistance by all DAs requested for all SLUC work**
- **Product provides:**
  - **Connective System View**
  - **Linkage to lower level use cases**
  - **Linkage to existing Enterprise efforts**
  - **Communication vehicle for users to review and comment on JSIMS functionality**

Exercise Life Cycle SLUC Plans



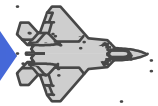
- JSIMS Users Group (JUG) to review for linkage to Joint Exercise Life Cycle (JELC) and System View
- Learning Methodologies Working Group to review for linkage to learning model
- Need Enterprise assistance:
  - To ensure that IOC Use Cases satisfy ELC SLUC items and identify “gaps”
  - To fix these “gaps”

Exercise Life Cycle SLUC Plans (cont)



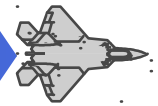
- Apply to Abstract Modeling and High Level Design efforts (ongoing)
- Apply to System Test
- Continued use in the definition of NASM training

Use in NASM Training



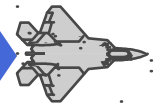
- **NASM Training Matrix being developed by John Anderson, NASM Support IPT**
- **Defines JSIMS A&S Categories of Tasks:**
  - **Controllers/Workstations (Senior Controller, etc)**
  - **Task Criteria (Frequency, Criticality, etc)**
  - **Courseware Category (Familiarization, Exercise Operations, Maintenance, etc)**
  - **Tools required (LCA, A&S Specific, other)**

Use in NASM Training (cont)



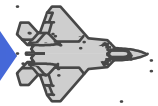
- **Defines Life Cycle Outline to address categories of use cases and tasks:**
  - **JSIMS Exercise Life Cycle (JELC) Tasks**
  - **ELC SLUC items**
  - **Controller/Role Player Use Cases**
- **Maps Life Cycle Outline to JSIMS categories of tasks**

Life Cycle Outline
Pre-Exercise



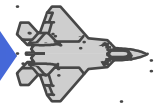
- Preliminary Joint Training System (JTS) Planning
- Exercise Design Stage: Concept Development Conf
- Exercise Planning Stage: Initial Planning Conf
- Exercise Preparation Stage: Mid Planning Conf
- Exercise Preparation Stage: Final Planning Conf
- Conduct Exercise Planning
- Compose Exercise -- Operational
- Compose Exercise -- Physical

Life Cycle Outline
Exercise Execution



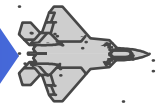
- Logon/Logoff
- Set up Exercise
- Initialize Exercise
- Prepare Orders (Joint, A&S, etc)
- Modify Battlespace
- Manipulate Simulation
- Observe Exercise
- Manipulate Battlespace Components
- Control Exercise
- Control External Exercises
- Perform Continuous Review

Life Cycle Outline Post Exercise and Assessment



- Query Database
- Develop Debrief Materials
- Debrief Training Audience/Playback Engine
  - Battlespace Planned View Displays (PVD)
  - Graphics
  - Charts
  - Video
  - Multimedia
- Produce Commander's Take Home Package
- Format Selected Data

Exercise Life Cycle SLUC Summary



- Accepted as formal product by JSIMS Enterprise
- Being used to fix “gaps” in IOC Use Cases
- Continue use as part of NASM Training Matrix
- Plan for use in System Test